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APPLICANT : HITACHI METALS LTD;

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TITLE : RARE EARTH SINTERED MAGNET

ABSTRACT : PURPOSE: To provide a magnet with a wide optimum heat treatment temperature range and a large coercive force.

CONSTITUTION: A rare earth sintered magnet contains 27-36wt.% R (R is at least one tape out of rare earth elements containing Nd, Pr, Ce, and Dy), 6-wt.% or less Co, 0.95-1.2wt.% B, 2.0wt.% or less Nb, 0.1-1wt.% Al, 0.5wt.% or less Ga, 0.5wt.% or less Cu, and 0.2wt.% or less Sn and the remainder mainly consists of Fe.

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